

**In the Claims:**

Please amend the claims as follows:

1. (Currently Amended) An optoelectronic module comprising:  
at least one optical component placed on a support, said component comprising an active optical layer,  
at least one confinement layer, and  
at least one electrical contact contacting the confinement layer, characterized in that said module further comprises a thermal sensor comprising a temperature-dependent resistive material which extends over the at least one confinement layer, at the side of the electrical contact.
2. (Currently Amended) The [[An]] optical module according to claim 1, wherein the thermal sensor comprises a wire of temperature-dependent resistive material which extends between two separate electrical contact areas of the at least one electrical contact.
3. (Currently Amended) The [[An]] optical module according to ~~one of the~~ claim[[s]] 1 ~~to 2~~, wherein the resistive material contains platinum.
4. (Currently Amended) The [[An]] optical module according to ~~one of~~ claim[[s]] 1 ~~to~~ 3, wherein the resistive material contains nickel.
5. (Currently Amended) The [[An]] optical module according to ~~one of~~ claim[[s]] 1 ~~to~~ 4, wherein the resistive material contains copper.
6. (Currently Amended) The [[An]] optical module according to ~~any one of the preceding claims~~ claim 1, wherein the support comprises a cooling member which regulates the temperature of the optical component as a function of temperature variations measured by the thermal sensor.

7. (Currently Amended) The [[An]] optical module according to ~~any one of the preceding claims~~ claim 1, further comprising means for regulating the electrical control of the component as a function of temperature variations measured by the thermal sensor.

8. (Currently Amended) The [[An]] optical module according to ~~any one of claim~~[[s]] 1 to 7, wherein the optical component is a laser.

9. (Currently Amended) The [[An]] optical module according to ~~any one of claim~~[[s]] 1 to 7, wherein the optical component is a modulator.